CLAIMS

1. A method of constructing of a transportable modular building, comprising the step of making the foundation at the building site, characterized in that it comprises the steps of:

(a) producing in a factory, out of the building site, at least one service module of a frame construction, which enables a container transportation thereof and is advantageously provided with appropriate building installations, where its height substantially corresponds to half of its length;

(b) producing in a factory, out of the building site, at least two horizontal segments of a frame construction, having the width substantially corresponding to the height of the service module and the length substantially corresponding to the length of the service module, and at least one vertical segment of a frame construction, having the height substantially corresponding to the height of the service module and the length substantially corresponding to the length of the service module;

(c) transportation of the service modules, the horizontal and vertical segments to the building site by means of a vehicle apt to container transportation;

(d) attaching the service modules on the foundation of the building;

(e) attaching an appropriate number of the horizontal segments on the foundation of the building and connecting them with the service module at the level of the bottom plate of the service module;

(f) attaching an appropriate number of the vertical segments to the horizontal segments; and

(g) attaching an appropriate number of the horizontal segments to the vertical segments and to the service module at the level of the top plate of the service module.

2. The method as claimed in claim 1, characterized in that, the horizontal segments are attached to the service module perpendicularly to the longitudinal axis thereof.

3. The method as claimed in claim 1 or 2, characterized in that, at least two service modules are connected in end to end aligned relation with each other on the same level.

4. The method as claimed in claim 1 or 2, characterized in that, it additionally comprises the step of connecting of at least two service modules parallel one on another.

5. The method as claimed in claim 1 or 2, characterized in that, said building segments are being provided with appropriate door and window openings and/or appropriate building installations during producing thereof.

6. The method as claimed in claim 1 or 2, characterized in that it additionally comprises the step of connecting to the building additional rafter framing, balconies and/or other structural elements.

7. The method as claimed in claim 1 or 2, characterized in that during transportation the horizontal and/or vertical segments of the building are stacked and temporarily connected together, to form a block having length and width corresponding to length and width of a standardized container.

8. The method as claimed in claim 1 or 2, characterized in that the length and width of the service module correspond to length and width of a standardized container.

9. A transportable modular building, characterized in, that it comprises at least one service module (2) of a frame construction, which enables container transportation thereof and is advantageously provided with appropriate building installations, where its height (H) substantially corresponds to the half of its length (L), at least two horizontal segments (3) of a frame construction having the width substantially corresponding to the height (H) of the service module (2) and the length substantially corresponding to the length (L) of the service module (2), at least one vertical segment (4) of a frame construction, having the height substantially corresponding to the height (H) of the service module (2) and the length substantially

corresponding to the length (L) of the service module (2), wherein after assembling the building (1) at the building site, the horizontal segments (3) are attached to the foundation (5) of the building (1) on the level of the bottom plate of the service module (2) or on the level of the top plate of the service module (2) and to the vertical segments (4), and the vertical segments (4) are attached to the horizontal segments (3).

10. The modular building as claimed in claim 9, characterized in that the horizontal segments (3) are attached perpendicularly to the longitudinal axis of the service module (2).

11. The modular building as claimed in claim 9 or 10, characterized in that vertical assembly posts (6) of a square cross-section and the width substantially corresponding to the thickness of the vertical segment (4), are placed between neighbouring vertical segments (4).

12. The modular building as claimed in claim 9 or 10, characterized in that the horizontal (3) and vertical (4) segments are of the same construction.

13. The modular building as claimed in claim 9 or 10, characterized in that the horizontal (3) and vertical (4) segments are of the same dimensions.

14. The modular building as claimed in claim 9 or 10, characterized in that it comprises at least to service modules (2), which after assembling the building (1), are connected in end to end aligned relation with each other on the same level.

15. The modular building as claimed in claim 9 or 10, characterized in that it comprises at least two service modules (2), which, after assembling the building (1), are connected parallel one on another.

16. The modular building as claimed in claim 9 or 10, characterized in that it comprises two service modules (2a, 2b), which after assembling the building (1), are connected in end to end aligned relation with each other on the same level, eight horizontal segments (3a) constituting the floor of the building, and eight horizontal segments (3b) constituting the roof of the building, which are

attached to the side walls of the service modules (2a, 2b) on the level of the floors and the ceilings of the service modules, and eight vertical segments (4) attached to the horizontal segments (3a and 3b).